The EcoSense® pH1000A benchtop instrument provides accurate measurements at an affordable price. The instrument features an easy-to-use interface and 1, 2, or 3 point pH calibration. In addition to pH, the pH1000A also measures ORP (mV) and temperature.

Repeatable/Efficient - the auto stable feature will hold stable measurements on the display, resulting in precise, repeatable, and error-free measurements.

Convenient/Reliable - simple calibration with automatic buffer recognition. Calibration is stored and the electrode efficiency can be viewed at any time.

- Large, high-contrast LCD display; displays pH/mV and temperature simultaneously
- Automatic/manual temperature compensation
- BNC input allows for any pH or ORP electrode with BNC to be connected
EcoSense pH1000A LABORATORY BENCHTOP INSTRUMENT

### EcoSense® pH1000A Instrument-only Specifications

<table>
<thead>
<tr>
<th></th>
<th>Range</th>
<th>Resolution</th>
<th>Accuracy</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH</td>
<td>-2.0 to 16.0 pH units</td>
<td>0.01 pH units</td>
<td>±0.01 pH units</td>
</tr>
<tr>
<td>ORP (mV)</td>
<td>-1999.9 to 1999.9 mV</td>
<td>0.1 mV</td>
<td>±0.05% FS ±1 mV</td>
</tr>
<tr>
<td>Temperature</td>
<td>0.0 to 100°C</td>
<td>0.1°C</td>
<td>±0.1°C</td>
</tr>
</tbody>
</table>

System Accuracy (instrument, sensor, cable): ±0.2° + 1 LSD

### EcoSense® pH1000A General Specifications

- **Display**: Graphic LCD display, 93 mm wide x 58 mm high
- **pH Buffer Recognition**: US (pH 4.01, 7.00, 10.01) or NIST (pH 4.00, 6.86, 9.18), user selectable
- **pH Temperature Compensation**: Automatic/Manual 0.0 to 100°C
- **Temperature Sensor**: Thermistor, 10 kΩ at 25°C
- **Operating Temperature Range**: From 0 to 50°C
- **Power**: 6 x 1.5 Volt AA batteries or AC power supply (included with instrument)
- **Weight**: 590 grams with batteries installed; 450 grams without batteries installed
- **Dimensions (WxDxH)**: 155 mm x 195 mm x 52 mm
- **Certifications**: CE, cETLus; electrical protective class III
- **Warranty**: 1 year on the pH1000A meter, 6 months on pH1000A cable/sensor assemblies
- **Audio Feedback**: All touch keys
- **Auto Stable & Measurement Hold**: Yes
- **Connection**: BNC for pH and ORP (mV) electrodes; unique connection for temperature (see note below)

### EcoSense® pH1000A Ordering Information

- **601100**: pH1000A - pH/ORP/mV lab instrument with power supply
- **601101**: 1101 pH electrode with 1 meter cable
- **601102**: 1102 pH/ATC (Automatic Temperature Compensation) combination electrode with 1 meter cable
- **601103**: 1103 Temperature probe with 1 meter cable
- **601104**: pH1000A-01 Kit - pH/mV/ATC temperature benchtop lab instrument with electrode stand
- **601305**: pH1000A-02 Kit - pH/mV/ATC temperature benchtop lab instrument with 1102 pH/temp electrode and electrode stand
- **601306**: pH1000A-03 Kit - pH/mV/ATC temperature benchtop lab instrument with 1102 pH/temp electrode
- **601112**: Replacement pH1000A power supply* (110-220V)
- **601113**: pH1000A electrode stand
- **605376**: 115-1 ORP electrode
- **003821**: pH 4 Buffer (box of 6 pints)
- **003822**: pH 7 Buffer (box of 6 pints)
- **003823**: pH 10 Buffer (box of 6 pints)
- **603824**: pH Buffer, Assorted Case

*Power supply comes with the instrument.

**Note**: The pH1000A features a BNC connector for pH and ORP electrodes. Any pH or ORP electrodes with a BNC connection can be used. The temperature connector is unique to the pH1000A, therefore use a 1102 or 1103 for temperature compensated measurements.